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**STATEMENT UNDER 37 CFR 3.73(b)**Assignee/Patent Owner: Chamberlain et al.Application No./Patent No.: 10/550,326 Filed/Issue Date: September 23, 2005Entitled: Intelligent Data Storage and Processing Using FPGA Devices

Washington University, a corporation of the State of Missouri  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is 50%

in the patent application/patent identified above by virtue of either:

A. [ X ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[ ] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

10-4-06  
Date

Bradley J. Castanho  
Typed or printed name

Brad Castanho  
Signature  
Interim Director, OTO  
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

ASSIGNMENT

WHEREAS, we, Roger D. Chamberlain of 64 Notre Dame Drive, St. Louis, Missouri 63141; Benjamin M. Brink of 17 Washington Terrace, St. Louis, Missouri 63112; Jason R. White of 902 Dogwood Creek Drive, Apt. I, Manchester, Missouri 63021; Mark A. Franklin of 7456 Stratford Avenue, St. Louis, Missouri 63130; and Ronald K. Cytron of 49 Granada Way, St. Louis, Missouri 63124, have invented certain new and useful improvements for *Intelligent Data Storage and Processing Using FPGA Devices* for which we executed an application for Letters Patent in the United States identifying us as the only inventors thereof said application being assigned serial number 10/550,326 by the U.S. Patent and Trademark Office and identified as Thompson Coburn LLP, Docket 53047/57365;

WHEREAS, Washington University, a corporation of the State of Missouri having its principal office and place of business at One Brookings Drive, St. Louis, Missouri 63130, is desirous of acquiring one-half (50%) ownership of the entire right, title and interest in and to said invention and improvements as disclosed in said application, in and to said application, and in and to the patent to be obtained thereon.

WHEREAS, Exegy Incorporated, a corporation of the State of Delaware having its principal office and place of business at 3668 South Geyer Road, Suite 300, St. Louis, Missouri 63127, is desirous of acquiring one-half (50%) ownership of the entire right, title and interest in and to said invention and improvements as disclosed in said application, in and to said application, and in and to the patent to be obtained thereon; and

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt and adequacy of all of which are hereby acknowledged, we, Roger D. Chamberlain, Benjamin M. Brink, Jason R. White, Mark A. Franklin, and Ronald K. Cytron, have sold, assigned and transferred and do hereby sell, assign and transfer unto said Washington University, its successors or assigns, one-half (50%) ownership of the entire right, title and interest in and to said invention and improvements as the same are disclosed in said application which was executed by us in and to said application, and in and to any Letters Patent, including divisionals, continuations, reissues, reexaminations and extensions to be obtained therefor in the United States and all foreign countries; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent as the assignee may desire to apply for, but at the expense of said assignee.

Furthermore, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt and adequacy of all of which are hereby acknowledged, we, Roger D. Chamberlain, Benjamin M. Brink, Jason R. White, Mark A. Franklin, and Ronald K. Cytron, have sold, assigned and transferred and do hereby sell, assign and transfer unto said Exegy Incorporated, its successors or assigns, the remaining one-half (50%) ownership of the entire right, title and interest in and to said invention and improvements as the same are disclosed in said application which was executed by us in and to said application, and in and to any Letters Patent, including divisionals, continuations, reissues, reexaminations and extensions to be obtained therefor in the United States and all foreign countries; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent as the assignee may desire to apply for, but at the expense of said assignee.

The Commissioner of Patents or other proper official is hereby authorized and requested to issue said Letters Patent to said Washington University and Exegy Incorporated in accordance with this Assignment.

The undersigned hereby authorize and request the attorneys of record in said application(s) to insert in this Assignment the serial number, filing date, and date of execution of said application(s).

For said considerations, the undersigned hereby agree, upon the request and at the expense of said Assignees, to execute any divisional, continuation, continuation-in-part or substitute application for said invention or improvements, and any oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application(s), and, in the event of any application or Letters Patent assigned herein becoming involved in an interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agree to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said Assignees all rights therein, whereby said Letters Patent will be held and enjoyed by said Assignees, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment has not been made.

And for said consideration, the undersigned hereby assign to each of said Assignees one-half (50%) ownership of the entire right, title and interest in said invention or improvements for all foreign countries,

including all priority rights, and agree to execute, at the request of said Assignees, all documents in connection with any application for foreign Letters Patent therefor.

IN WITNESS WHEREOF, I have hereunto set my hand the 26<sup>th</sup> day of

October, 2006.

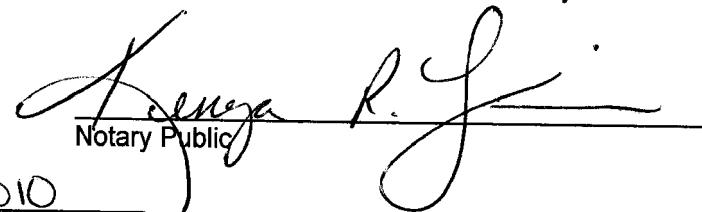
  
Roger D. Chamberlain

STATE OF

COUNTY OF

On this 26<sup>th</sup> day of October 2006 before me, a Notary Public, within and for the County of St. Charles, State of Missouri, personally appeared ROGER D. CHAMBERLAIN, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

  
Kenya R. J.  
Notary Public

My Commission Expires: August 8, 2010

WITNESS:

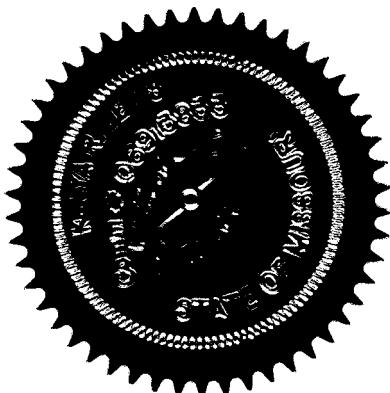
By: Matthew Pollier

Printed Name: Matthew Pollier

WITNESS:

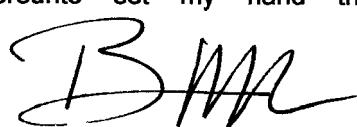
By: Cara Lambert

Printed Name: Cara Lambert



IN WITNESS WHEREOF, I have hereunto set my hand the 21<sup>st</sup> day of

December, 2006.



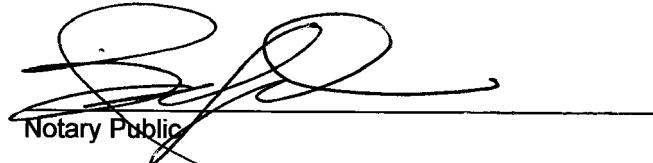
Benjamin M. Brink

STATE OF :

COUNTY OF :

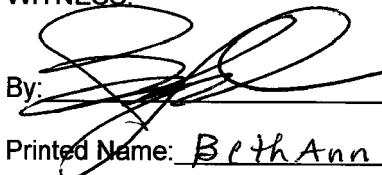
On this 21<sup>st</sup> day of December 2006 before me, a Notary Public, within and for the County of Fairfax, State of Virginia, personally appeared BENJAMIN M. BRINK, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

  
Notary Public

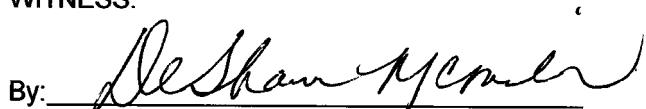
My Commission Expires: June 30, 2007

WITNESS:

  
By: \_\_\_\_\_

Printed Name: Beth Ann Telford

WITNESS:

  
By: \_\_\_\_\_

Printed Name: DeShawn McMillan

IN WITNESS WHEREOF, I have hereunto set my hand the 24<sup>th</sup> day of

October, 2006.

Jason R. White

STATE OF

COUNTY OF

SS

On this 24<sup>th</sup> day of October 2006 before me, a Notary Public, within and for the County of Saint Charles, State of Missouri, personally appeared JASON R. WHITE, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Kenya R. Y.  
Notary Public

My Commission Expires: August 8, 2010

WITNESS:

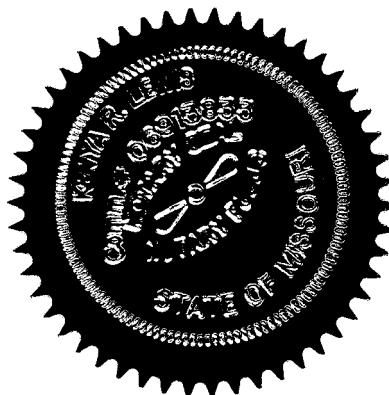
By: Naveen Singla

Printed Name: NAVEEN SINGLA

WITNESS:

By: Matt Pulliam

Printed Name: Matt Pulliam



IN WITNESS WHEREOF, I have hereunto set my hand the 31 day of

October, 2006.

Mark A Franklin

Mark A. Franklin

STATE OF Missouri

:

COUNTY OF St. Louis

: SS

:

On this 31<sup>st</sup> day of October 2006 before me, a Notary Public, within and for the County of St. Louis, State of Missouri, personally appeared MARK A. FRANKLIN, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Sheri Buttrey

Notary Public

My Commission Expires: 4-4-09

WITNESS:

By: Cara Lambert

Printed Name: Cara Lambert

WITNESS:

By: Melanie Bath

Printed Name: Melanie Bath



IN WITNESS WHEREOF, I have hereunto set my hand the 17<sup>th</sup> day of November,  
2006.

R K C

Ronald K. Cytron  
RKC

STATE OF Missouri:

COUNTY OF St. Louis:

On this 17<sup>th</sup> day of November 2006 before me, a Notary Public, within and for the County of St. Louis, State of Missouri, personally appeared RONALD K. CYTRON, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

LJ Tomlin  
Notary Public

My Commission Expires: Sept. 26, 2010

WITNESS:

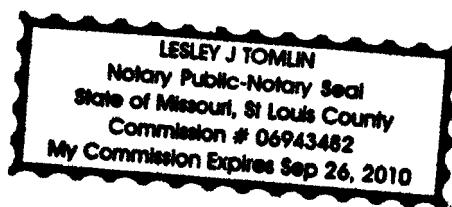
By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

WITNESS:

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_



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**STATEMENT UNDER 37 CFR 3.73(b)**

Assignee/Patent Owner: Chamberlain et al.

Application No./Patent No.: 10/550,326 Filed/Issue Date: September 23, 2005

Entitled: Intelligent Data Storage and Processing Using FPGA Devices

Exeqy Incorporated, a corporation of the State of Delaware  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is 50%

in the patent application/patent identified above by virtue of either:

A. [ X] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

10/24/06

Date

J.J. Stupp

Typed or printed name



Signature

Chief Financial Officer

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

ASSIGNMENT

WHEREAS, we, Roger D. Chamberlain of 64 Notre Dame Drive, St. Louis, Missouri 63141; Benjamin M. Brink of 17 Washington Terrace, St. Louis, Missouri 63112; Jason R. White of 902 Dogwood Creek Drive, Apt. I, Manchester, Missouri 63021; Mark A. Franklin of 7456 Stratford Avenue, St. Louis, Missouri 63130; and Ronald K. Cytron of 49 Granada Way, St. Louis, Missouri 63124, have invented certain new and useful improvements for *Intelligent Data Storage and Processing Using FPGA Devices* for which we executed an application for Letters Patent in the United States identifying us as the only inventors thereof said application being assigned serial number 10/550,326 by the U.S. Patent and Trademark Office and identified as Thompson Coburn LLP, Docket 53047/57365;

WHEREAS, Washington University, a corporation of the State of Missouri having its principal office and place of business at One Brookings Drive, St. Louis, Missouri 63130, is desirous of acquiring one-half (50%) ownership of the entire right, title and interest in and to said invention and improvements as disclosed in said application, in and to said application, and in and to the patent to be obtained thereon.

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NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt and adequacy of all of which are hereby acknowledged, we, Roger D. Chamberlain, Benjamin M. Brink, Jason R. White, Mark A. Franklin, and Ronald K. Cytron, have sold, assigned and transferred and do hereby sell, assign and transfer unto said Washington University, its successors or assigns, one-half (50%) ownership of the entire right, title and interest in and to said invention and improvements as the same are disclosed in said application which was executed by us in and to said application, and in and to any Letters Patent, including divisionals, continuations, reissues, reexaminations and extensions to be obtained therefor in the United States and all foreign countries; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent as the assignee may desire to apply for, but at the expense of said assignee.

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The Commissioner of Patents or other proper official is hereby authorized and requested to issue said Letters Patent to said Washington University and Exegy Incorporated in accordance with this Assignment.

The undersigned hereby authorize and request the attorneys of record in said application(s) to insert in this Assignment the serial number, filing date, and date of execution of said application(s).

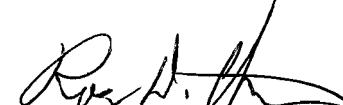
For said considerations, the undersigned hereby agree, upon the request and at the expense of said Assignees, to execute any divisional, continuation, continuation-in-part or substitute application for said invention or improvements, and any oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application(s), and, in the event of any application or Letters Patent assigned herein becoming involved in an interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agree to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said Assignees all rights therein, whereby said Letters Patent will be held and enjoyed by said Assignees, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment has not been made.

And for said consideration, the undersigned hereby assign to each of said Assignees one-half (50%) ownership of the entire right, title and interest in said invention or improvements for all foreign countries,

including all priority rights, and agree to execute, at the request of said Assignees, all documents in connection with any application for foreign Letters Patent therefor.

IN WITNESS WHEREOF, I have hereunto set my hand the 26<sup>th</sup> day of

October, 2006.

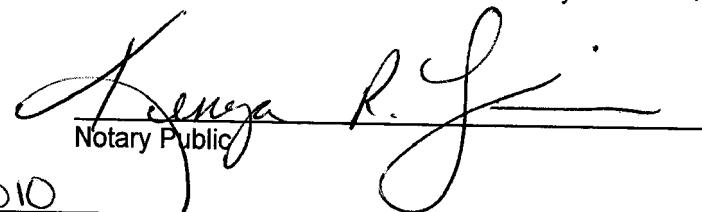
  
Roger D. Chamberlain

STATE OF

COUNTY OF

On this 26<sup>th</sup> day of October 2006 before me, a Notary Public, within and for the County of St. Charles, State of Missouri, personally appeared ROGER D. CHAMBERLAIN, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

  
Kenya R. J.  
Notary Public

My Commission Expires: August 8, 2010

WITNESS:

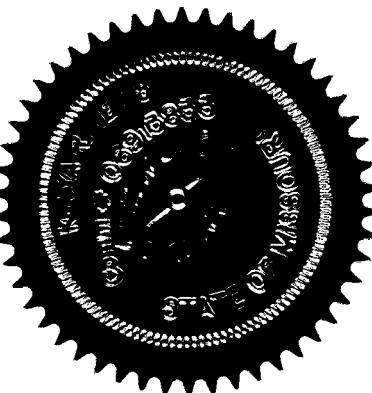
By: Matthew Pollen

Printed Name: Matthew Pollen

WITNESS:

By: Cara Lambert

Printed Name: Cara Lambert



IN WITNESS WHEREOF, I have hereunto set my hand the 21<sup>st</sup> day of  
December, 2006.



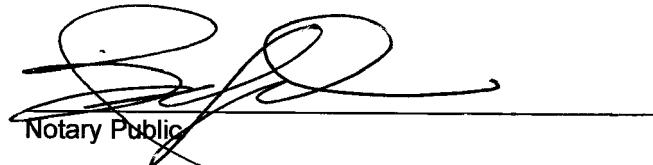
Benjamin M. Brink

STATE OF

COUNTY OF

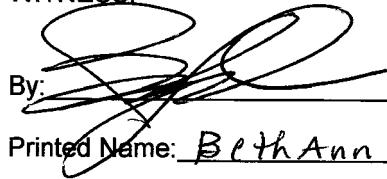
On this 21<sup>st</sup> day of December, 2006 before me, a Notary Public, within and for the County of Fairfax, State of Virginia, personally appeared BENJAMIN M. BRINK, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

  
Notary Public

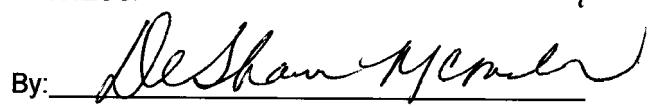
My Commission Expires: June 30, 2007

WITNESS:

  
By: \_\_\_\_\_

Printed Name: Beth Ann Telford

WITNESS:

  
By: \_\_\_\_\_

Printed Name: DeShawn McMillan

IN WITNESS WHEREOF, I have hereunto set my hand the 24<sup>th</sup> day of  
October, 2006.

Jason R. White  
Jason R. White

STATE OF

COUNTY OF

On this 24<sup>th</sup> day of October, 2006 before me, a Notary Public, within and for the County of Saint Charles, State of Missouri, personally appeared JASON R. WHITE, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Kenya R. J.  
Notary Public

My Commission Expires: August 8, 2010

WITNESS:

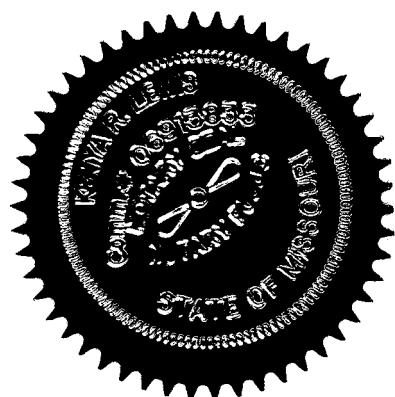
By: Naiveen Singla

Printed Name: NAVEEN SINGLA

WITNESS:

By: Matt Pulliam

Printed Name: Matt Pulliam



IN WITNESS WHEREOF, I have hereunto set my hand the 31 day of

October, 2006.

Mark A Franklin

Mark A. Franklin

STATE OF Missouri

:

COUNTY OF St. Louis

: SS

:

On this 31<sup>st</sup> day of October 2006 before me, a Notary Public, within and for the County of St. Louis, State of Missouri, personally appeared MARK A. FRANKLIN, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Sheri Buttrey

Notary Public

My Commission Expires: 4-4-09

WITNESS:

By: Cara Lambert

Printed Name: Cara Lambert

WITNESS:

By: Melanie Bath

Printed Name: Melanie Bath



IN WITNESS WHEREOF, I have hereunto set my hand the 17<sup>th</sup> day of November,  
2006.

R K C  
Ronald K. Cytron  
RKC

STATE OF Missouri

COUNTY OF St. Louis

On this 17<sup>th</sup> day of November, 2006 before me, a Notary Public, within and for the  
County of St. Louis, State of Missouri, personally appeared  
RONALD K. CYTRON, to me known to be the person described in and who executed the foregoing  
assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above  
written.

LJ Tomlin  
Notary Public

My Commission Expires: Sept. 26, 2010

WITNESS:

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

WITNESS:

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

